



# Team Information Packet

June 19 - 22, 2024

ORGANIZED BY:

Florida *FIRST* LEGO League PDOs and PDPs

Hosted By:

**EMBRY-RIDDLE**  
Aeronautical University



# Table of Contents



|   |    |
|---|----|
| Tournament Dates, Time, Location and Contact                            | 3  |
| Basic Schedule  | 4  |
| Housing Details   | 5  |
| Team Details (Dress, Team Size, Team Check-in & Registration)           | 6  |
| Parking & Transportation  | 7  |
| Eagle Cards & Food  | 8  |
| Team Pits   | 9  |
| Robot Game  | 10 |
| Extras (Coaches Meeting, Judging, Practice Tables, Cancellation Policy) | 11 |
| <i>FIRST</i> Core Values & Gracious Professionalism                     | 12 |
| Team Pit Map  | 13 |
| List by Team Number   | 14 |
| List by Team Name   | 15 |
| List by Team Location   | 16 |
| More Fun! (Team Social, Tours of ERAU & Game Night)                     | 17 |
| Robot Alliances Rules   | 18 |
| Embry-Riddle Aeronautical University Map                                | 19 |
| <i>FIRST</i> LEGO League Challenge Overview                             | 20 |
| Judging Session Flowchart for Teams                                     | 21 |
| Our Sponsors  | 22 |



# About



June 19th to 22nd, 2024  
(Wednesday to Saturday)  
**Time:** 1:00 pm ERAU Opens


**Embry Riddle Aeronautical University (ERAU),**  
1 Aerospace Blvd, Daytona Beach, FL 32114

## Tournament Contact:

<https://floridasunshineinvitational.com/contact-1/#>

This contact link will bring you to our general contact board which will then be handled by the correct staff member.

## FIRST Program Delivery Organizations and Partners:

|   |  |  |
|---|--|--|
| <p><b>Central Florida</b><br/>Infinity of Education (ICE)<br/>Program Delivery<br/>Organization (PDO)<br/><a href="http://www.infinityfll.com">www.infinityfll.com</a><br/>Daniel Penny, III and Joyce<br/>Walters, Program Delivery<br/>Partners (PDP)</p>             | <p><b>Northeast Florida</b><br/>Builders of Tomorrow (BOTS)<br/>Program Delivery<br/>Organization (PDO)<br/><a href="http://www.buildersoftomorrow.org">www.buildersoftomorrow.org</a><br/>Lesley Rester, Bob Holcomb,<br/>&amp; Nickie Chatman-Brown<br/>Program Delivery Partners<br/>(PDP)</p>                | <p><b>West Florida</b><br/>State College of Florida (SCF)<br/>Program Delivery<br/>Organization (PDO)<br/><a href="http://westfloridarobotics.weebly.com">westfloridarobotics.weebly.com</a><br/>Desh Bagley, Program<br/>Delivery Partner (PDP)</p> |
| <p><b>Northwest Florida</b><br/>Doolittle Institute (DoD)<br/>Program Delivery<br/>Organization (PDO)<br/><a href="http://doolittleinstitute.org/stem-outreach">doolittleinstitute.org/stem-<br/>outreach</a><br/>Johnny Edwards Program<br/>Delivery Partner (PDP)</p> | <p><b>South Florida</b><br/>Cox Science Center and<br/>Aquarium (CSCA) Program<br/>Delivery Organization (PDO)<br/><a href="http://www.coxsciencecenter.org/first-lego-league">www.coxsciencecenter.org/fir<br/>st-lego-league</a><br/>Stacey Jones and Lisa Butler,<br/>Program Delivery Partners<br/>(PDP)</p> |   |





# Schedule



## General Schedule:

### Wednesday, June 19, 2024

- Check-in for housing starts at 1:00 pm.
- Teams can set up their Team Pit at the Student Center and tour the campus from 2:00 to 5:00 pm.
- Dinner at ERAU at 5:00. Practice Tables will be open from 2:00 to 5:00 pm.
- There will be a special scavenger hunt in front of the Student Center at 7:00 pm. Bring your favorite games for a fun night of getting to know the other amazing teams!

### Thursday, June 20, 2024.

- Breakfast at ERAU from 6:00 to 8:00 am.
- Opening Ceremonies at 8:00 am in front of the Student Center.
- Judging at the Engineering Building with organized tours and activities from 9:00 to 4:00 pm.
  - Teams with one adult are allowed in the Judging Building. Closed to ALL Spectators!
- Lunches from 12:00 to 1:00 at the Student Center. Dinner at ERAU at 5:00.
- From 7:00 to 9:00 pm Team Social at GameTime Arcade and Bowling Alley\*
  - 250 Daytona Blvd, Daytona Beach, FL 32114.
  - \*There will be an additional cost for friends and family to attend the event with the payment at the door of the event (GameTime) and will be \$28.00 per person over the team size and 2 coaches.

### Friday, June 21, 2024

- Breakfast at ERAU from 6:00 to 8:00 am.
- Opening Ceremonies at 8:00 am in front of the Student Center.
- Robot Games 9:00 to 4:00 pm at Henderson Building.
  - Audio/Video will be set up in the Pit, Student Center, and Henderson Building for spectators to watch the Robot Game tables.
  - Lunch from 12:00 to 1:00 at the Student Center.
  - Judges will be walking around for informal Judging.
  - 5:00 Dinner at ERAU.
  - Glow-In-The-Dark Party in front of the Student Center at 7:00 pm. Bring glow-in-the-dark items, flashlights and every team member will get a fabulous FSI Light Saber with specialized training from our special guests!

### Saturday, June 22, 2024

- Breakfast at ERAU from 6:00 to 8:00 am.
- Opening Ceremonies at 8:00 am in front of the Student Center.
- Robot Alliances 9:00 to 12:00 in Henderson.
- Lunch 12:00 to 1:00 at Student Center. (Volunteers ready the Student Center for Closing Ceremonies).
- Closing Ceremonies at 2:00 pm with Teams lining up on the north side of the building for the team parade. Awards done around 4:00 pm
- Clean up 4:00 to 6:00 pm

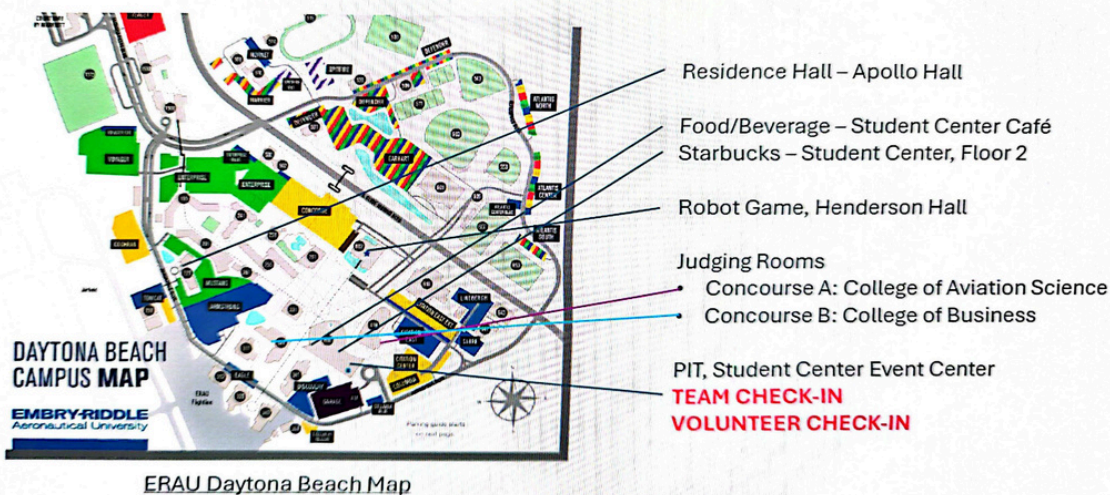


## Directions:

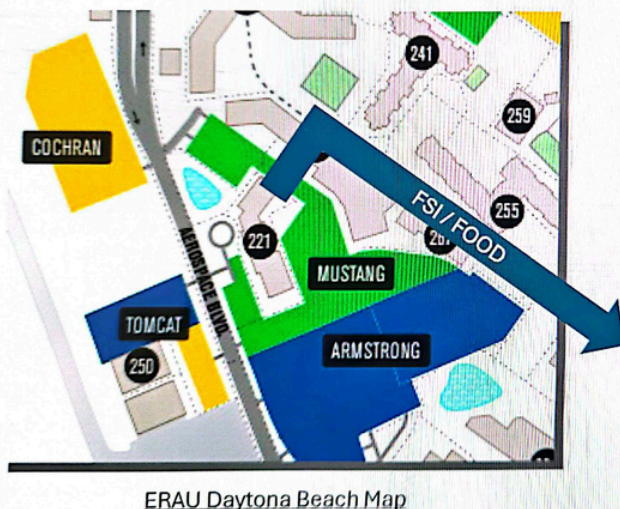
Teams are to first check in at Pit Admin at the Student Union to get their Team Bag and rooming information before moving into their room(s).

- Teams will have time to decorate their Team Pit from 2:00 to 5:00 pm.
- Teams can sign up to practice at the Practice Tables in the Student Union from 2:00 to 5:00 pm.
- All adults must complete their Youth Protection Policy in order to be on campus after 7:00 pm, **no exceptions!**

## Campus Overview



## Residence Hall: Apollo – Building 221



- Parking:
- MUSTANG (Green)
- Bus Parking:
- COCHRAN (Yellow)

**Some Teams have chosen to stay in local hotels rather than ERAU.**

**Please check your coach email for housing details.**





## Parking:

Teams must park only in the following approved spaces while on campus.

ERAU will have buses available for teams who have corresponded to Daniel Penny during check-in to get to the Team Social on Thursday evening starting at 5:00 till @9:30 pm.

## School / Coach Bus Access – Restricted Routes



DAYTONA BEACH  
CAMPUS MAP  
EMBRY-RIDDLE  
Aeronautical University

ERAU Daytona Beach Map

School / Coach Bus COI emailed to [dpenny@firstpartners.org](mailto:dpenny@firstpartners.org) BEFORE June 7, 2024

School / Coach Bus Access is RESTRICTED on Campus

- A** From North, Richard Petty  
Turn Right at Light 1, Continue to Light 3, Turn Right
- B** From North, Clyde Morris  
Continue to Light 3, Turn Right
- C** From South, Clyde Morris  
Turn Left at Light 3

Recommend Dropping Off Locations:

- 1** Route 1 - College of Engineering
  - Enter Light #3, Follow Purple, Exit Light #2
- 2** Route 2 - Flight Line
  - Enter Light #3

## Student Union – Building 610



ERAU Daytona Beach Map

Parking:

- COLUMBIA (Yellow)
- CITATION CENTER (Yellow)

Bus Parking:

- CITATION EAST (Blue)

Starbucks – Student Center, Floor 2

Food/Beverage – Student Center

- Chick-Fil-A, Breakfast/Lunch/Dinner
- Qdoba, Lunch/Dinner
- Union Café

PIT, Student Union Event Center

PIT Load In / Load Out

- Eagle Transportation Circle
- **No Coach Buses Allowed**



## Directions:

Teams will use their individual Eagle Cards at the various food locations on ERAU Campus for Breakfast, Lunch, and Dinner\* and to get into their Residence Hall.

\*Friends and Family not registered with FSI may purchase their own food throughout the week using US Dollars, Credit Cards, or Debit Cards.

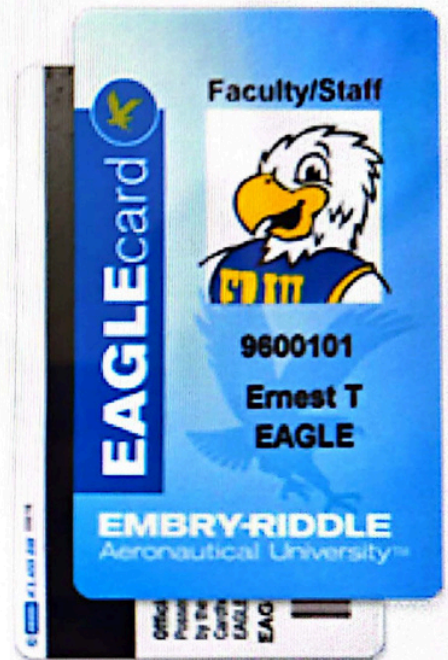
## Eagle Cards

Orange lanyards and ID holders for the following::

- 2 Coaches per team
- Up to 10 Team Members
- Support Team staying on campus
- Volunteers
- FSI Leadership Team

Eagle Card Provides:

- Access Card to Residence Hall for those staying on campus
- Debit Card
  - Eagle Dollars for Dining on Campus
  - \$35 a day to cover Breakfast, Lunch, and Dinner for Teams
  - \$20 a day to cover Breakfast and Dinner for Supporters
  - \$15 a day to cover Lunch for Non-Residence Hall for Teams
- Keepsake
  - A memento to take home



## Student Union Cafe



- CHICK-FIL-A
- QDOBA MEXICAN GRILL
- STARBUCKS
- UNION CAFE\*
- SUSHI
- PIZZA
- HOT STATION
- GRILL STATION
- SANDWICH STATION
- SALAD STATION
- COOKIES/SNACKS
- HOT/COLD DRINKS

\*Offers may change but food options will be available throughout the event.

## Directions - Team Pits will be in the Student Union

**No! Tents, balloons, tents, music, noise makers, confetti, stickers, candy, food, and sugary drinks.**

The Pit is where your team will spend most of the time. This is where you will work on your robot and programming. This is also the area where you can enjoy downtime with your team, get to know other teams, see their robots, and talk to others about their Innovations Projects. Your team will have access to:

- One standard-sized table within a 6' x 6' space
- Two (2) chairs
- Electricity – **CHARGING STATIONS WILL BE AVAILABLE** (no extension cords allowed).

**We recommend that you bring the following for your team to have in the Pit Area:**

- A bin or large bags (like trash bags) to store personal belongings, like coats, under your table
- Your robot and all your robot supplies (attachments and additional building pieces)
- Your laptop computer and power cord
- Team sign that can be used for the Opening and Closing Ceremonies
- A box or small bin to carry your robot and attachments to and from the competition area.
- Games (there will be long periods of downtime – bring some small games that the team can play when things are slow)

**NO**  
BALLOONS TENTS  
MUSIC NOISE MAKERS  
CONFETTI STICKERS  
CANDY FOOD  
DRINKS  
EXTENSION CORDS

## PIT Layout, Student Union Event Center

NO TEAM FIELD KITS  
ALLOWED FOR  
SAFETY REASONS

PLEASE DON'T BRING  
A TABLE or FIELD KIT  
TO ERAU

12 PRACTICE FIELDS  
AVAILABLE TO WORK  
ON ROBOT RUNS





## Directions

Robot Game will be on Friday, June 20, 2024 9:00 am to 4:00 at Henderson Hall.

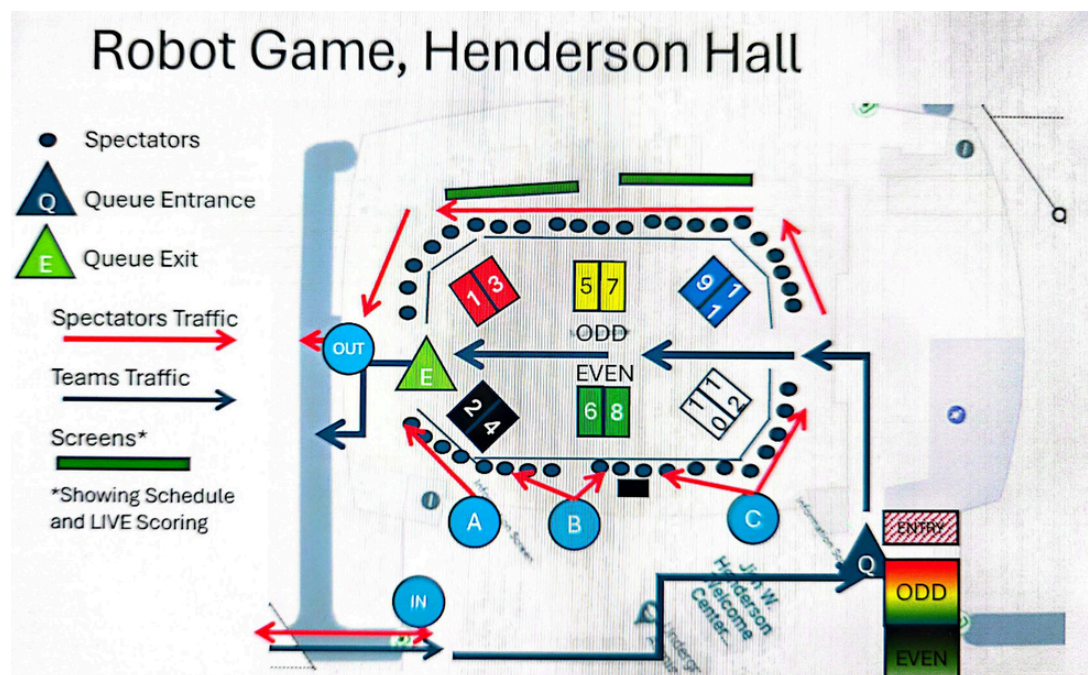
### Robot Game:

Your team is responsible for knowing and understanding the *FIRST* LEGO League Challenge Robot Game. All of the game documents can be found on the *FIRST* LEGO League website. You are required to know the following for the robot competition: Field Setup, Rules, and Missions.

- **Coaches:** Two coaches will be permitted to join the team on the competition floor, but you must stay behind the line with the team and refrain from actively directing the team during the game. Please do not touch or handle the robot or attachments during this time. Consider yourselves spectators with the best spot in the house to watch the game.
- **Your team will participate four (4) times at the Tournament Tables:** the Robot Game will begin with a Practice Round. The purpose of the Practice Round is to allow your team to experience the queuing process, competition timing, and of course, to get rid of some of those nerves. This Practice Round is just that – a practice – and it does not count, even if this is the best score your team has at this tournament. Your Robot Performance score is the highest score your team achieves out of the three official rounds.
- **Spectators:** The Robot Game is free and open to the public, starting at 9:00 AM. Please remember to respect the team-only areas – the competition floor area (the area where teams queue and compete).

**NOTE:** Remote controls are not allowed anywhere at this tournament (This includes Smartphone applications that enable you to control your robot remotely). Bluetooth may not be used. Your team could be disqualified if you are found remotely controlling your robot anywhere during the competition or if your Bluetooth is enabled in the competition area!

Make sure you are ready to compete at least ten (10) minutes before your scheduled robot round. Remember to respect the referees and the other teams – and **HAVE FUN!**







# Extras



## Coaches Meeting:

The Coaches' Meeting will be held on Zoom a couple of weeks before the event. At least one team coach should attend this meeting. At this meeting, your team's coach will have the opportunity to:

- Meet the *FIRST* LEGO League Program Delivery Partners
- Meet the Judge Advisor - Andy Milluzzi
- Meet the Head Referee - Steve Bowman
- Understand the flow pattern through the competition area
- Ask judging-related questions
- Ask Robot Game questions
- Ask any other tournament-related questions

## Judging

Team judging begins at 9:00 AM. Each team will be judged within a single judging session. Your team will spend ten (30) minutes with your assigned judging pod.

- Only team members and one (1) coach will be allowed into the judging rooms. The coach will be permitted to videotape the judging session; however, that adult should remain in designated areas.
- Nobody from the team should stand behind the judges. Coaches should be silent observers of the judging process and refrain from influencing the session in any way. If you choose to use a PowerPoint presentation, check what AV equipment will be available for the teams in the judging pod.
- The judging schedule is tight. Please be on time for your judging session.
- Pit Judging will happen throughout the day on Friday.

All cell phones (team members & coaches) must be turned off during the judging sessions.

## Practice Tables

Teams will be able to sign up for a time at the Practice Table Signing Board

- Be mindful of your time and other teams' needs. (Please be courteous and allow a team facing a crisis to use your practice time).
- Reset the Practice Table for the next team.
- Make sure you check that you do not take a mission model from the Practice Table
- The missions at the table will be the ones with dual-lock only, teams must bring their own loose mission pieces. (Don't forget to pack them!)
- Offer help to teams that may need it!

## Tournament Cancellation Policy

The *FIRST* LEGO League Florida Sunshine Invitational will be canceled or delayed due to causes and conditions beyond the tournament organizers' control, including, but not limited to inclement weather, acts of nature, government restrictions, and/or any other cause beyond the tournament organizers' control. Please refer to local news and radio for current county advisories. If the event must be canceled, it will not be rescheduled and no refunds will be available.



# Core Values

The *FIRST*® Core Values emphasize friendly sportsmanship, respect for the contributions of others, teamwork, learning, and community involvement and are part of our commitment to fostering, cultivating, and preserving a culture of equity, diversity, and inclusion. The *FIRST* Community expresses the *FIRST* philosophies of *Gracious Professionalism*® and *Coopertition*® through our Core Values:

**Discovery**  
We explore new skills and ideas.

**Innovation**  
We use creativity and persistence to solve problems.

**Impact**  
We apply what we learn to improve our world.

**Inclusion**  
We respect each other and embrace our differences.

**Teamwork**  
We are stronger when we work together.

**Fun**  
We enjoy and celebrate what we do!

## Gracious Professionalism

*Gracious Professionalism* is part of the ethos of *FIRST*. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. It is part of pursuing a meaningful life. One can add to society and enjoy the satisfaction of knowing one has acted with integrity and sensitivity.

## Coopertition

*Coopertition* is displaying unqualified kindness and respect in the face of fierce competition. It is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete. *Coopertition* involves learning from teammates. It is teaching teammates. It is learning from Mentors. And it is managing and being managed. *Coopertition* means competing always, but assisting and enabling others when you can.

Learn more about *FIRST* at [www.firstinspires.org](http://www.firstinspires.org)

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# TEAM PIT MAP

|      |      |      |      |      |      |      |     |
|------|------|------|------|------|------|------|-----|
| 48 X | 42 U | 36 R | 30 O | 24 L | 18 I | 12 F | 6 C |
| 47 X | 41 U | 35 R | 29 O | 23 L | 17 I | 11 F | 5 C |
| 46 W | 40 T | 34 Q | 28 N | 22 K | 16 H | 10 E | 4 B |
| 45 W | 39 T | 33 Q | 27 N | 21 K | 15 H | 9 E  | 3 B |
| 44 V | 38 S | 32 P | 2 M  | 20 J | 14 G | 8 D  | 2 A |
| 43 V | 37 S | 31 P | 25 M | 19 J | 13 G | 7 D  | 1 A |
| 50   |      |      |      |      |      |      |     |
| 49 Y |      |      |      |      |      |      |     |

Charge Station 1

Charge Station 2

Charge Station 3

Charge Station 4

Pit Admin



# LIST BY TEAM NUMBER

| ALLIANCE/<br>PIT NUMBER | TEAM NAME                  | STATE/COUNTRY       | ALLIANCE/<br>PIT NUMBER | TEAM NAME                     | STATE/COUNTRY   |
|-------------------------|----------------------------|---------------------|-------------------------|-------------------------------|-----------------|
| A 1                     | Leg Godt Humans            | Australia           | M 26                    | MASTERMINDS                   | North Carolina  |
| A 2                     | Frogmen                    | Florida NE          | N 27                    | Automatiaat Al-Jazari         | Saudi Arabia    |
| B 3                     | Octopi Robots              | Alberta             | N 28                    | TCCQoQC                       | Colorado        |
| B 4                     | Cookie Monster             | Oklahoma            | O 29                    | Lego Musketari                | Serbia          |
| C 5                     | Captain Ducks              | Canada              | O 30                    | Rockin' Red Hot Chile Peppers | New Mexico      |
| C 6                     | Robo Monkeys               | Illinois            | P 31                    | legoborci z Oravy             | Slovak Republic |
| D 7                     | TiN                        | Croatia             | P 32                    | Veni Vidi Duci - Green        | Wyoming         |
| D 8                     | Buidthoven                 | Minnesota           | Q 33                    | FREES                         | South Korea     |
| E 9                     | HobbyRobot                 | Czech Republic      | Q 34                    | Gator Bots                    | Florida S       |
| E 10                    | Mini Tonka +               | Minnesota           | R 35                    | UWR Starlink                  | UAE             |
| F 11                    | RobotHeadz                 | Greece/Cyprus       | R 36                    | Moof Monsters                 | Florida NE      |
| F 12                    | Infinite Loop              | Pennsylvania        | S 37                    | NEO RECORD                    | Viet Nam        |
| G 13                    | TSKY                       | Japan               | S 38                    | Robo-Bolts                    | Florida NW      |
| G 14                    | Dragonbots                 | Florida CFL         | T 39                    | Sumrall NanoBots              | Mississippi     |
| H 15                    | Silver Stars               | Lithuania           | T 40                    | Knights Of Lego               | Alaska          |
| H 16                    | Robo Mania                 | Maryland            | U 41                    | L.T.S.                        | Hawaii          |
| I 17                    | P6 Robotics Team           | Philippines         | U 42                    | LEGO Llamas                   | Minnesota       |
| I 18                    | Assembly Required          | Florida W           | V 43                    | Menlo Park Narleaotters       | California (No) |
| J 19                    | Frisbee on the Track       | Norway              | V 44                    | DaVinci Coders                | Minnesota       |
| J 20                    | St. Theresa Warrior Robots | Louisiana           | W 45                    | I-ROBOT                       | Oregon          |
| K 21                    | Turbotics                  | Norway              | W 46                    | Action Robotix                | Missouri        |
| K 22                    | Lincoln Park Crewbotics    | Michigan            | X 47                    | Panhandle Cookie Bytes        | Nebraska        |
| L 23                    | RoboRangers                | Republic of Moldova | X 48                    | LEGO Maskers                  | Ohio            |
| L 24                    | L.E.G.O. Wolves            | California          | Y 49                    | Beach Boys                    | Kansas          |
| M 25                    | Three Dots                 | Saudi Arabia        | No 50                   | Cosmic Snowballs              | Iowa            |

# LIST BY TEAM NAME

| PIT NUMBER | TEAM NAME              | STATE/COUNTRY   | PIT NUMBER | TEAM NAME                     | STATE/COUNTRY       |
|------------|------------------------|-----------------|------------|-------------------------------|---------------------|
| 46         | Action Robotix         | Missouri        | 22         | Lincoln Park Crewbotics       | Michigan            |
| 18         | Assembly Required      | W. Florida      | 26         | Masterminds                   | North Carolina      |
| 27         | Automatiiaat AL_Jazari | Saudi Arabia    | 43         | Menlo Park Narleaotters       | California          |
| 49         | Beach Boys             | Kansas          | 10         | Mini Tonka+                   | Minnesota           |
| 8          | Buidhoven              | Minnesota       | 36         | Moof Monsters                 | Florida             |
| 5          | Captain Ducks          | Canada          | 37         | Neo Record                    | Viet Nam            |
| 4          | Cookie Monster         | Oklahoma        | 3          | Octopi Robots                 | Alberta             |
| 50         | Cosmic Snowballs       | Iowa            | 17         | P6 Robotics Team              | Philippines         |
| 44         | DaVinci Coders         | Minnesota       | 47         | Panhandle Cookie Bytes        | Nebraska            |
| 14         | Dragonbots             | CF Florida      | 16         | Robo Mania                    | Maryland            |
| 33         | FREES                  | South Korea     | 6          | Robo Monkeys                  | Illinois            |
| 19         | Frisbee on the Track   | Norway          | 38         | Robo-Bolts                    | NW Florida          |
| 2          | Frogmen                | NE Florida      | 23         | RoboRangers                   | Republic of Moldova |
| 34         | Gator Bots             | S Florida       | 11         | RobotHeadz                    | Greece/Cyprus       |
| 9          | HobbyRobot             | Czech Republic  | 30         | Rockin' Red Hot Chili Peppers | New Mexico          |
| 45         | I-Robot                | Oregon          | 15         | Silver Stars                  | Lithuania           |
| 12         | Infinite Loop          | Pennsylvania    | 20         | St. Theresa Warrior Robots    | Louisiana           |
| 40         | Knights of LEGO        | Alaska          | 39         | Sumrall NanoBota              | Mississippi         |
| 24         | L.E.G.O. Wolves        | California      | 28         | TCCQoQC                       | Colorado            |
| 41         | L.T.S.                 | Hawaii          | 25         | Three Dots                    | Saudi Arabia        |
| 1          | Leg Godt Humans        | Australia       | 7          | TiN                           | Croatia             |
| 42         | LEGO Llamas            | Minnesota       | 13         | TSKY                          | Japan               |
| 48         | LEGO Maskers           | Ohio            | 21         | Turbotics                     | Norway              |
| 29         | LEGO Musketari         | Serbia          | 35         | UWR Starlink                  | UAE                 |
| 31         | legoborci z Oravy      | Slovak Republic | 32         | Veni Vidi Duci Green          | Wyoming             |

# LIST BY TEAM LOCATION

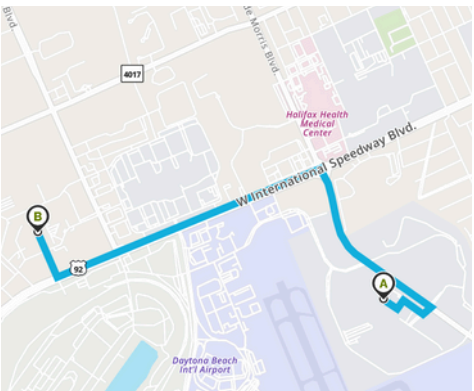
| PIT NUMBER | TEAM NAME                  | STATE/COUNTRY  | PIT NUMBER | TEAM NAME                     | STATE/COUNTRY       |
|------------|----------------------------|----------------|------------|-------------------------------|---------------------|
| 40         | Knights of Lego            | Alaska         | 44         | DaVinci Coders                | Minnesota           |
| 3          | Octopi Robots              | Alberta        | 42         | LEGO Llamas                   | Minnesota           |
| 1          | Leg Godt Humans            | Australia      | 10         | Mini Tonka +                  | Minnesota           |
| 24         | L.E.G.O. Wolves            | California     | 8          | Buidthoven                    | Minnesota           |
| 43         | Menlo Park Narleaotters    | California(No) | 39         | Sumrall NanoBots              | Mississippi         |
| 5          | Captain Ducks              | Canada         | 46         | Action Robotix                | Missouri            |
| 28         | TCCQoQC                    | Colorado       | 47         | Panhandle Cookie Bytes        | Nebraska            |
| 7          | TIN                        | Croatia        | 30         | Rockin' Red Hot Chile Peppers | New Mexico          |
| 9          | HobbyRobot                 | Czech Republic | 26         | MASTERMINDS                   | North Carolina      |
| 36         | Moof Monsters              | Florida-NE     | 19         | Frisbee on the Track          | Norway              |
| 14         | Dragonbots                 | Florida-CFL    | 21         | Turbotics                     | Norway              |
| 2          | Frogmen                    | Florida-NE     | 48         | LEGO Maskers                  | Ohio                |
| 38         | Robo-Bolts                 | Florida-NW     | 4          | Cookie Monster                | Oklahoma            |
| 34         | Gator Bots                 | Florida-S      | 45         | I-ROBOT                       | Oregon              |
| 18         | Assembly Required          | Florida-W      | 12         | Infinite Loop                 | Pennsylvania        |
| 11         | RobotHeadz                 | Greece/Cyprus  | 17         | P6 Robotics Team              | Philippines         |
| 41         | L.T.S                      | Hawaii         | 23         | RoboRangers                   | Republic of Moldova |
| 6          | Robo Monkeys               | Illinois       | 25         | Three Dots                    | Saudi Arabia        |
| 50         | Cosmic Snowballs           | Iowa           | 27         | Automatiaat Al-Jazari         | Saudi Arabia        |
| 13         | TSKY                       | Japan          | 29         | Lego Musketari                | Serbia              |
| 49         | Beach Boys                 | Kansas         | 31         | legoborci z Oravy             | Slovak Republic     |
| 15         | Silver Stars               | Lithuania      | 33         | FREES                         | South Korea         |
| 20         | St. Theresa Warrior Robots | Louisiana      | 35         | UWR Starlink                  | UAE                 |
| 16         | Robo Mania                 | Maryland       | 37         | NEO RECORD                    | Viet Nam            |
| 22         | Lincoln Park Crewbotics    | Michigan       | 32         | Veni Vidi Duci - Green        | Wyoming             |





**Team Social June 20, 2024 5:00 to 9:00\* pm at GameTime Daytona Beach** - two buses are available to transport teams and volunteers to GameTime from ERAU Student Union. Teams can also walk 2 miles from ERAU Student Union or from the hotel. <https://bit.ly/3UsOGxx> \* **2 HOUR LIMIT of FREE GAMES**

**Teams, up to 10 team members and 2 coaches will get into the venue. This cost is covered by the team registration fee.** GameTime is the ultimate destination for family entertainment offering 12 lanes of Bowling, over 100 interactive arcade games, and a full-service dining experience complete with patio seating and fire pits for that extra special ambiance. Enjoy a delicious brunch, lunch, or dinner and watch any game on over 60 HDTV's **\$28 Extra Cost for friends and family members at the door.**



**Teams and Volunteers are encouraged to eat at ERAU BEFORE Team Social**  
250 Daytona Blvd,  
Suite F-500  
Daytona Beach, FL 32114



## Embry-Riddle Aeronautical University Tours

Teams are invited to register for Tours of this Top Tier University. Register at Henderson Building for multiple 45 minute tours for your team. Register for the tour at Henderson; first come, first serve.

- Aviation
- Engineering
- Aviation Sciences
- General



## Game Nights

Teams are invited to meet at the Student Union in the Evenings for fun.  
**Wednesday** - Meet in front of the Student Union at 7:00 pm wearing glow-in-the-dark items and flashlights for a fun scavenger hunt of the ERAU Campus.  
**Friday** - Meet in the Student Union at 7:00 pm and bring your favorite game to play.

## Robot Alliance Competition

9:00 to 12:00 on Saturday, June 22, 2024

Each team will be randomly paired up with an Alliance Partner. The teams will be responsible for reaching out to their Alliance Partner and working together to play their matches on Saturday. This is for a separate award, it is a fun competition and has no bearing on official FSI Awards.

**The rules for the challenge are the same as the robot game with the following exceptions:**

- The two robots in an alliance share the same table.
- Each team in the alliance must have constructed and programmed one of the robots in use.
- Both robots in an alliance may be on the table at the same time.
- Alliances may use storage devices (containers, tables, carts, etc.) as an extension of Home.
- Four players from the alliance may be at the table.
- The time limit is 90 seconds.
- Each alliance can use their hands to move or adjust or relocate one mission model before the game begins as if they were a robot. Mission models that are tampered with or destroyed.
- The Equipment Inspection points are only awarded if all of both teams' equipment can simultaneously fit into the inspection area.
- There are no penalties for interrupting a robot, returning equipment to home, or resetting mission models by hand.
- An alliance's score is the combination of the points earned by the two robots.
- The format of the competition is a double-elimination, knockout tournament.





**DAYTONA CAMPUS MAP**

**EMBRY-RIDDLE Aeronautical University**

| Academics  | +        | Meri Hossini Student Union                          | 610      |
|--|----------|---|----------|
| Advanced Flight Sim Center                         | 311      | ERIE Central  |          |
| Aviation Maintenance Sciences (AMS) Hangar         | 388      | Welcome Deck  |          |
| Capt. Willie Miller Instructional Center (IC)      | 321      | • Dining options                                    |          |
| College of Arts & Sciences (COAS)                  | 418      | • Event space                                       |          |
| College of Aviation (COA)                          | 341      | • Hunt Library                                      |          |
| David B. O'Malley College of Business (COB)        | 221      | Postal Services & Language Institute (Tomcat Annex) | 250      |
| Emil Buehler Aviation Maintenance Science (AMS)    | 340      | ROTC Athletic & Facilities Storage Building         | 525      |
| Engineering Special Projects & Labs (M Building)   | 643      | ROTC Center   | 501      |
| Fixed Maintenance Hangar                           | 212      | Wellness Center – Counseling                        | 502      |
| Fight Operations Center                            | 320      | Wellness Center – Health & Disability Services      | 500      |
| Lahman Building – College of Engineering           | 618      | <b>Athletics</b>                                    | <b>+</b> |
| Modular Building 4                                 | 513      | Artificial Turf Softball Field                      | 543      |
| <b>Residence Halls</b>                             | <b>+</b> | Clyde Morris Multipurpose Field                     | 653      |
| Apollo Hall  | 221      | Croft Tennis Complex                                | 261      |
| DavidB Hall  | 241      | Eagle Fitness Complex                               | 511      |
| New Residence Hall 1                               | 155      | ICI Center  | 601      |
| New Residence Hall 2                               | 201      | Multipurpose Artificial Turf Field                  | 530      |
| • Boundless Buffet                                 |          | Richard Petty Multipurpose East Field               | 1624     |
| • Dining Services office                           |          | Richard Petty Multipurpose West Field               | 1515     |
| New Residence Hall 3                               | 255      | Siva Stadium  | 603      |
| • Academic Advancement Center (A2)                 |          | Soccer – Ticket Concession                          | 605      |
| • Center for Teaching & Learning Excellence (CTLE) |          | Soccer Field  | 607      |
| • Diversity, Equity & Inclusion                    |          | Softball Field                                      | 533      |
| • Honors Center                                    |          | Time Davis Fitness Center                           | 258      |
| • International Programs                           |          | Track & Field                                       | 516      |
| • Office of Prestigious Awards & Fellowships       |          | Track & Field Concession                            | 514      |
| • Office of Undergraduate Research                 |          | <b>Facilities Complex</b>                           | <b>+</b> |
| • Veteran Student Services                         |          | Facilities  | 915      |
| Student Village (Adams, Wood, Tallman Commons)     | 1500     | MicaPlex  | 1511     |
| Student Village (O'Conor & Shingyan Halls)         | 1530     | Print Shop  | 918      |
| <b>Campus Resources</b>                            | <b>+</b> | Wind Tunnel Facility                                | 1521     |
| Campus Safety                                      | 175      | <b>Worldwide Complex</b>                            | <b>+</b> |
| Center for Faith & Spirituality                    | 267      | Information Technology (IT)                         | 2309     |
| Corsair Hall                                       | 101      | Registrar   | 2315     |
| Eagle Alumni Center                                | 510      | Worldwide HQ 1                                      | 2359     |
| Enrollment Operations (S Building)                 | 641      | Worldwide HQ 2                                      | 2379     |
| Jim W. Henderson Administration & Welcome Center   | 602      | Worldwide HQ 4                                      | 2389     |
| • Admissions Visitor Center                        |          |   |          |
| • Welcome Deck                                     |          |   |          |

# REMEMBER

**When you enter this campus:**  
**We are guests of ERAU**  
**Cooperation is Expected**  
**A positive attitude is a Must**  
**Mutual respect is a Need &**  
**You are representing FIRST**





# FIRST® LEGO® League Challenge Overview

## CORE VALUES

Demonstrate *FIRST® Core Values* in everything you do. Your team will be evaluated during the robot game and the judging session.



### Your team will:

- Apply **teamwork** and **discovery** to explore the challenge.
- **Innovate** with new ideas about your robot and project.
- Show how your team and your solutions will have an **impact** and be **inclusive!**
- Celebrate by having fun in everything you do!

## ROBOT DESIGN

Your team will prepare a short explanation on your robot design, programs, and strategy.



### Your team will:

- Identify your mission strategy.
- Design your robot and programs and create an effective plan.
- Create your robot and coding solution.
- Iterate, test, and improve your robot and program.
- Communicate your robot design process and everyone's contributions.

## ROBOT GAME

Your team will have three 2.5-minute matches to complete as many missions as possible.



### Your team will:

- Build the mission models and follow the field setup to put the models on the mat.
- Review the missions and rules.
- Design and build a robot.
- Explore building and coding skills while practicing with your robot on the mat.
- Compete at an event!

## INNOVATION PROJECT

Your team will prepare a live, engaging presentation to explain the work you have done on your innovation project.



### Your team will:

- Identify and research a problem to solve.
- Design a new solution or improve an existing one based on your selected idea, brainstorming, and plan.
- Create a model, drawing, or prototype.
- Iterate on your solution by sharing it with others and collecting feedback.
- Communicate your solution's impact.

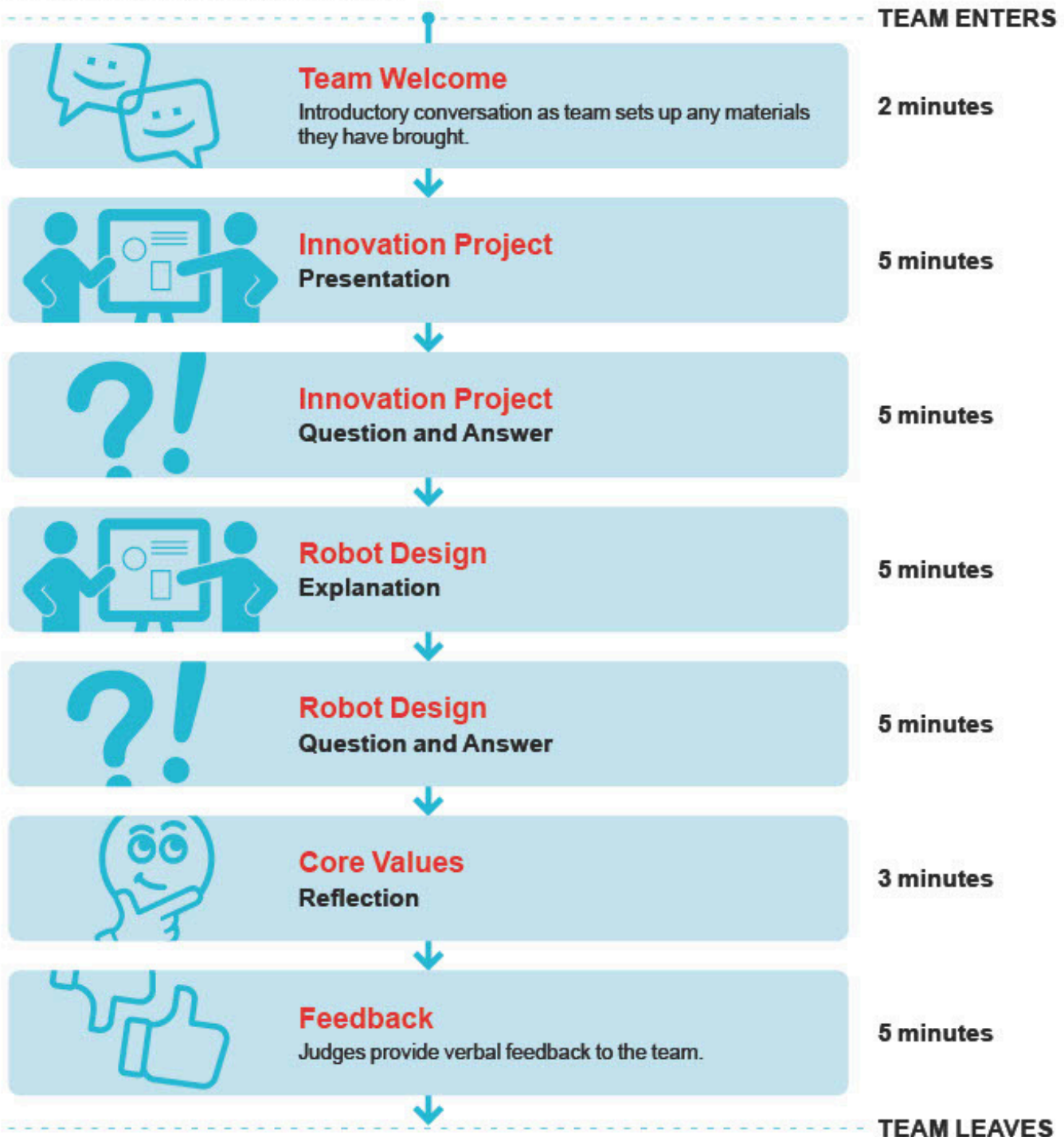
# Judging Session Flowchart for Teams

Your team should be demonstrating Core Values in everything you do. The judges are excited to see how you show TEAMWORK, DISCOVERY, INCLUSION, INNOVATION, IMPACT and FUN as you present your Innovation Project and Robot Design work.

This is your time to shine, so enjoy your session with the judges. Tell them everything about your work and remember to take everything with you when you leave.



CHALLENGE



# Thank you to our Sponsors:

## **EMBRY-RIDDLE** Aeronautical University



Infinity Center  
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